(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 14 October 2004 (14.10.2004)

PCT

(10) International Publication Number WO 2004/088100 A1

(51) International Patent Classification - F01N 3/023

(21) International Application Number:

PCT/SE2004/000514

(22) International Filing Date: 2 April 2004 (02.04.2004)

(25) Filing Language: Swedish

(26) Publication Language: English

(30) Priority Data: 0300954-5 2 April 2003 (02.04.2003) SE

(71) Applicant (for all designated States except US): VOLVO LASTVAGNAR AB [SE/SE]; S-405 08 GÖTEBORG (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BERGLUND, Sixten [SE/SE]; Björkstigen 7, S-423 53 TORSLANDA (SE). ERIKSSON, Anders [SE/SE]; Lövskogsgatan 14, S-413 20 GÖTEBORG (SE). STEÉN, Marcus [SE/SE]; Fotbollsvägen 31, S-424 33 ANGERED (SE). UDD, Sören [SE/SE]; Piluddsvägen 3, S-440 45 NÖDINGE (SE).

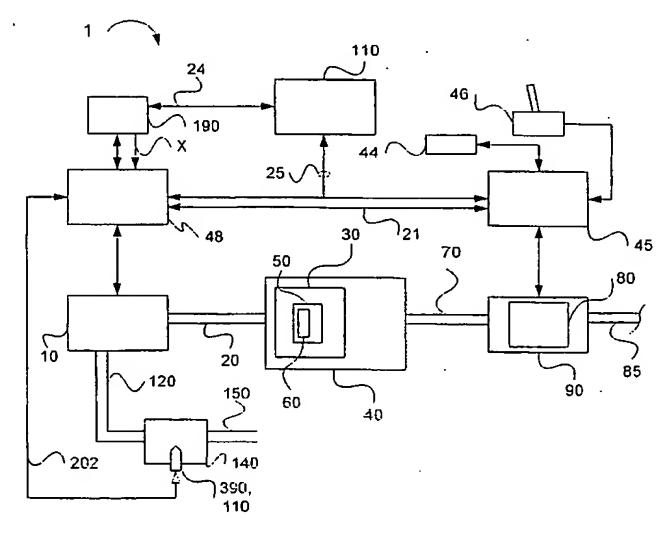
- (74) Agent: ALBIHNS STOCKHOLM AB; Box 5581, S-114 85 STOCKHOLM (SE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: MOTOR VEHICLE WITH EXHAUST PURIFICATION



(57) Abstract: The invention relates to a method of cleaning a filter during operation of a vehicle, comprising an internal combustion is engine (10), which during operation sends exhaust to an exhaust system (140) comprising said filter, and a transmission (90) drivable by the engine. The method is characterized by the step of selecting a gear ration in the vehicle transmission so that a first temperature within a first temperature interval is obtained, said first interval being dependent on a degree of plugging of the filter with regard to a first particle type. The method is furthermore characterized by the step of then selecting a gear ration so that a second temperature within a second temperature interval is obtained, said second temperature interval being dependent on another degree of plugging of the filter with regard to a second particle type. The first particle type and the second particle type are different from each other. Said selections achieve regeneration of the filter.

WO 2004/088100 A1

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazene.